

SEQUENCE LISTING

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<120> METHODS FOR MAKING POLYNUCLEOTIDES AND PURIFYING
DOUBLE-STRANDED POLYNUCLEOTIDES

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<160> 46

<170> PatentIn version 3.2

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<213> Artificial

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<212> DNA

<213> Artificial

<220>

<223> oligonucleotide library member

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<210> 6
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<220>
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 gtttagtagca gctctcttca nnnnnn 26

<210> 7
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 <220>
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 ctctcttcan nnnnnagaag agc 23

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 <220>
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<220>
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 gctcttctnn nnnntgaaga gag 23

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 gatatcgaat tctctagttg gaagacccgc tcttctnnnn nntgaagaga g 51

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 <212> DNA
 <213> Artificial

 <220>
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 invariant region

 <400> 11
 cgaattggag ctc 13

 <210> 12
 <211> 17
 <212> DNA
 <213> Artificial

 <220>
 <223> second strand of immobilized double stranded oligonucleotide,
 invariant region

 <400> 12
 ccccgagctc caattcg 17

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 <211> 49

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 <223> second strand of immobilized double stranded oligonucleotide

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 ccccgagctc caattcgccc tatagtgagt cgtattacgc gcgnnnnnn 49

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 <211> 36
 <212> DNA
 <213> Artificial

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 agctcgaaga cttgggggttg tcttcaccgc ggtggc 36

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 <211> 32
 <212> DNA
 <213> Artificial

 <220>
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 ggccgccacc gcggtgaagac cccaagtctt cg 32

 <210> 17
 <211> 37
 <212> DNA
 <213> Artificial

 <220>
 <223> first strand of double-stranded vector insert

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 gggcatcatc atcatcatct gcaggaattc gatatga 37

 <210> 18
 <211> 41
 <212> DNA
 <213> Artificial

 <220>
 <223> second strand of double-stranded vector insert

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 agcttcatat cgaattcctg cagatgatga tgatgatgcc c 41

<210> 19
 <211> 43
 <212> DNA
 <213> Artificial

 <220>
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 <223> n is a, c, g, or t

 <400> 19
 gggacgttct tcgnnnnnt gaagagagct gctactaact gca 43

 <210> 20
 <211> 39
 <212> DNA
 <213> Artificial

 <220>
 <223> second strand of double-stranded vector insert

 <220>
 <221> misc_feature
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 <223> n is a, c, g, or t

 <400> 20
 gttagtagca gctctcttca nnnnnncgaa gaacgtccc 39

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 <211> 240
 <212> DNA
 <213> Artificial

 <220>
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 cgcgcgtaat acgactcact atagggcgaa ttggagctcg gggttgtctt caccgcggtg 60
 gcggccgctc tagaactagt ggatccccct gggacgttct tcgnnnnnt gaagagagct 120
 gctactaact gcaggaattc gatatgaagc ttatcgatac cgtcgacctc gagggggggc 180
 ccggtaccca gcttttggtc cctttagtga gggttaattg cgcgcttggc gtaatcatgg 240

 <210> 22
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 <212> DNA
 <213> Artificial

<220>
<223> elongation fragment

<220>
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<222> (132)..(137)
<223> n is a, c, g, or t

<400> 22
ccatgattac gccaaagcgcg caattaaccc tcactaaagg gaacaaaagc tgggtaccgg 60
gccccccctc gaggtcgacg gtatcgataa gcttcataatc gaattcctgc agttagtagc 120
agctctcttc annnnnncga agaacgtccc aggggggatcc actagttcta gagcggccgc 180
caccgcggtg aagacaaccc cgagctccaa ttcgccctat agtgagtcgt attacgcgcg 240

<210> 23
<211> 30
<212> DNA
<213> Artificial

<220>
<223> first strand of immobilized double stranded oligonucleotide

<400> 23
gaacgataat aagcttgatg acgaagacat 30

<210> 24
<211> 34
<212> DNA
<213> Artificial

<220>
<223> second strand of immobilized double stranded oligonucleotide

<400> 24
cccatgtct tcgtcatcaa gcttattatc gttc 34

<210> 25
<211> 39
<212> DNA
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<220>
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invariant region

<400> 25
cgcgcgtaat acgactcact atagggcgaa ttggagctc 39

<210> 26
<211> 43
<212> DNA
<213> Artificial

<220>
<223> second strand of immobilized double stranded oligonucleotide,

invariant region

<400> 26
ccccgagctc caattcgccc tatagtgagt cgtattacgc gcg 43

<210> 27
<211> 39
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<213> Artificial

<220>
<223> first strand of immobilized double stranded oligonucleotide,
invariant region

<400> 27
cgcgcgtaat acgactcact atagggcgaa ttggagctc 39

<210> 28
<211> 43
<212> DNA
<213> Artificial

<220>
<223> first strand of immobilized double stranded oligonucleotide,
invariant region

<400> 28
ccccgagctc caattcgccc tatagtgagt cgtattacgc gcg 43

<210> 29
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<220>
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<400> 29
ggggatcctg ggacgttctt cg 22

<210> 30
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<220>
<223> starter fragment

<220>
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nnncgaagaa cgtcccagga t 21

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 <220>
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 <400> 31
 nnnnntgaa gagagctgct actaactgca ggaattcgat atgaagctt 49

 <210> 32
 <211> 46
 <212> DNA
 <213> Artificial

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 <220>
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 <223> n is a, c, g, or t

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 aagcttcata tcgaattcct gcagttagta gcagctctct tcannn 46

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 <210> 34
 <211> 36
 <212> DNA
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 <220>
 <223> Oligonucleotide building block starter fragment

 <220>
 <221> misc_feature
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<223> n is a, c, g, or t

<400> 34
gtagtagca gcgctcttca nnntgaagtg cgtccc 36

<210> 35
<211> 43
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotide building block elongation fragment

<220>
<221> misc_feature
<222> (14)..(19)
<223> n is a, c, g, or t

<400> 35
gggacgtctt tcannnnnt gaagagtgt gctactaact gca 43

<210> 36
<211> 39
<212> DNA
<213> Artificial

<220>
<223> Oligonucleotide building block elongation fragment

<220>
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gtagtagca gactcttca nnnnnntgaa gatcgtccc 39

<210> 37
<211> 210
<212> DNA
<213> Artificial

<220>
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<220>
<221> misc_feature
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ggccgctcta gaactagtgg atccccggg acgcacttca nnntgaagag cgctgctact 120
aactgcagga attcgatatg aagcttatcg ataccgtcga cctcgagggg gggcccggtta 180
cccagctttt gttcccttta gtgagggtta 210

<210> 38
 <211> 210
 <212> DNA
 <213> Artificial

 <220>
 <223> Starter clone

 <220>
 <221> misc_feature
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 <223> n is a, c, g, or t

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 taaccctcac taaaggaac aaaagctggg taccgggccccc cccctcgagg tcgacggtat 60
 cgataagctt catatcgaat tcctgcagtt agtagcagcg ctcttcannn tgaagtgcgt 120
 cccgggggat ccactagttc tagagcggcc gccaccgcgg taagacccca agtcttcgag 180
 ctccaattcg ccctatagtg agtcgtatta 210

 <210> 39
 <211> 70
 <212> DNA
 <213> Artificial

 <220>
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 <400> 39
 taatacgact cactataggg cgaattggag ctccaagact tggggcttta ccgcggtggc 60
 ggccgctcta 70

 <210> 40
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 <213> Artificial

 <220>
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 <400> 40
 tagagcggcc gccaccgcgg taagacccca agtcttcgag ctccaattcg ccctatagtg 60
 agtcgtatta 70

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 <212> DNA
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20

<210> 42
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<220>
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<400> 42
ctactaggtc tcctcctg

18

<210> 43
<211> 12
<212> DNA
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<220>
<223> Reverse primer

<400> 43
catcatgcaa tg

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<210> 44
<211> 15
<212> DNA
<213> Artificial

<220>
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<400> 44
ctactaggtc tcaaa

15

<210> 45
<211> 14
<212> DNA
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<220>
<223> Reverse primer

<400> 45
catcatgctc ttca

14

<210> 46
<211> 12
<212> DNA
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<400> 46
ctactaggtc tc

12